

Converting Colors

$Y_{xy}(78.8450, 0.2317, 0.3403)$

Have a look what the booklet for
Yxy(78.8450, 0.2317, 0.3403)
contains.

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Color

Yxy(78.8164, 0.2319, 0.3409)

Conversions

Conversions Part 1

Format	Color
Hex	33FFF5
RGB	51, 255, 245
RGB Percent	20%, 100%, 96%
CMY	0.7989, 0.0000, 0.0392
CMYK	0.80, 0.00, 0.04, 0.00
HSL	177°, 100%, 60%
HSV	177°, 80%, 100%
XYZ	53.6155, 78.8164, 98.7690
YIQ	192.8640, -118.3740, -46.3580

Conversions

Conversions Part 2

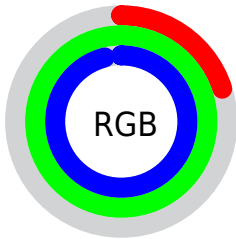
Format	Color
R_{YB}	51, 156, 255
Decimal	3407861
CIE _{Lab}	91.15, -48.73, -8.86
CIE _{LCh}	91, 49.527, 190.307
Yxy	78.8164, 0.2319, 0.3409
Android (android.graphics.Color)	4281597941 (0xFF33FFF5)
YUV	192.8640, 25.7030, -124.4147
Hunter-Lab	88.7786, -47.5622, -3.8170

Details

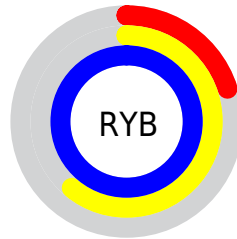
The Yxy color **78.8164, 0.2319, 0.3409** is a light color, and the websafe version is hex **00FFFF**. The color can be described as light washed cyan. A complement of this color would be **23.9900, 0.5843, 0.3239**, and the grayscale version is **53.1899, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.8083, 0.2497, 0.3288**, and **43.6066, 0.2281, 0.3413** is the 20% darker color. If you saturate the color by 10%, you get **78.2490, 0.2297, 0.3425**, and if you desaturate by 10%, it is **79.7534, 0.2360, 0.3393**.

Distribution



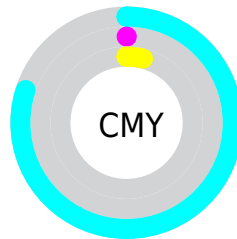
- Red (20%)
- Green (100%)
- Blue (96%)



- Red (20%)
- Yellow (61%)
- Blue (100%)



- Cyan (80%)
- Magenta (0%)
- Yellow (4%)
- Black (0%)





- Cyan (80%)
- Magenta (0%)
- Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 78.8164, 0.2319, 0.3409 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 78.8164, 0.2319, 0.3409 by changing the saturation by 10% instead.


 78.8164, 0.2319,
0.3409


 78.8164, 0.2319,
0.3409


490.9350, 0.2679,
0.3364


 58.7449, 0.2241,
0.3417

 131.7004, 0.2441,
0.3395

 42.4078, 0.2146,
0.3425


 165.2816, 0.2489,
0.3390

 29.4207, 0.2029,
0.3434


 204.1348, 0.2531,
0.3384

 19.3993, 0.1882,
0.3442

 248.6444, 0.2568,
0.3380

 11.9592, 0.1692,
0.3448

299.1949, 0.2600,
0.3375

 6.7159, 0.1439,
0.3445

356.1705, 0.2629,

 3.2851, 0.1094,

0.3371

419.9558, 0.2655,
0.3368

0.3417

1.2823, 0.0000,
0.3532

0.1274, 0.0000,
0.1439

78.8164, 0.2319,
0.3409

78.8164, 0.2319,
0.3409

78.2490, 0.2297,
0.3425

79.7534, 0.2360,
0.3393

77.9584, 0.2289,
0.3441

81.1030, 0.2420,
0.3376

77.9559, 0.2289,
0.3442

82.9114, 0.2500,
0.3360

85.2168, 0.2598,
0.3344

88.0532, 0.2713,
0.3329

91.4515, 0.2841,
0.3315

95.4406, 0.2981,
0.3302

99.9962, 0.3127,
0.3290

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



78.8164, 0.2751, 0.3984



78.8164, 0.2319, 0.3409



78.8164, 0.2105, 0.2861

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



78.8164, 0.2319, 0.3409



78.8164, 0.2859, 0.2460



78.8164, 0.4209, 0.3981

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



78.8164, 0.2319, 0.3409



23.9900, 0.5843, 0.3239

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



78.8164, 0.4270, 0.3548



78.8164, 0.2319, 0.3409



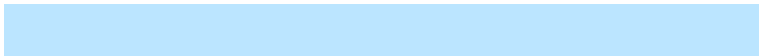
78.8164, 0.3447, 0.2718

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



78.8164, 0.2319, 0.3409



78.8164, 0.2394, 0.2379



78.8164, 0.3983, 0.3102



78.8164, 0.3847, 0.4289

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



78.8164, 0.2319, 0.3409



78.8164, 0.2097, 0.2599



78.8164, 0.3983, 0.3102



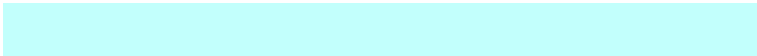
78.8164, 0.4267, 0.3844

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



78.8194, 0.2319, 0.3409



89.9909, 0.2787, 0.3321



72.7642, 0.3034, 0.5763



19.0066, 0.2741, 0.3326



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



78.8194, 0.2319, 0.3409



78.0561, 0.2291, 0.3435



34.2380, 0.1959, 0.2059



20.4652, 0.2987, 0.3301



40.7425, 0.2289, 0.3439



3.9715, 0.2284, 0.3420

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



23.9900, 0.5843, 0.3239



21.5402, 0.6309, 0.3275



41.1289, 0.5106, 0.4066



18.0015, 0.3287, 0.3279



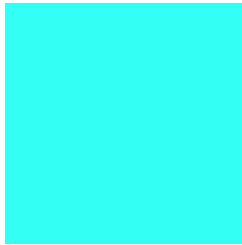
11.1294, 0.6351, 0.3272



1.0885, 0.6236, 0.3209

Previews

White Background



This preview shows how the Yxy color 78.8164, 0.2319, 0.3409 looks on a white background.

Color Contrast Check

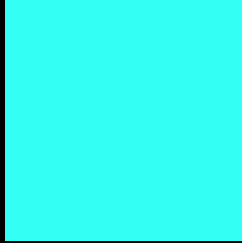
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 78.8164, 0.2319, 0.3409 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

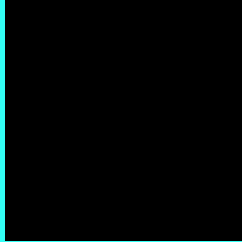
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 78.8164, 0.2319, 0.3409

Background



This preview shows how black text looks on a background with the Yxy color 78.8164, 0.2319, 0.3409.

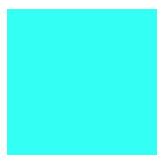


This preview shows how white text looks on a background with the Yxy color 78.8164, 0.2319, 0.3409.

Color Blindness Simulation

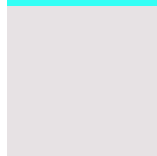
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



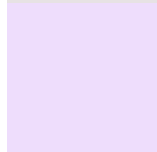
Original Color

78.8164, 0.2319, 0.3409



Protanopia

76.9831, 0.3149, 0.3269



Deuteranopia

76.9183, 0.3045, 0.2977



Tritanopia

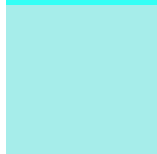
77.9934, 0.2575, 0.3142

Trichromacy



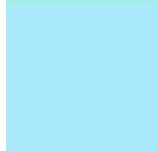
Original Color

78.8164, 0.2319, 0.3409



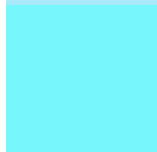
Protanomaly

74.6159, 0.2711, 0.3323



Deuteranomaly

73.6634, 0.2650, 0.3108



Tritanomaly

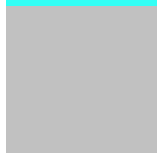
77.4085, 0.2440, 0.3241

Monochromacy



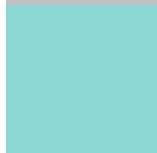
Original Color

78.8164, 0.2319, 0.3409



Achromatopsia

53.3276, 0.3127, 0.3290



Achromatomaly

59.5279, 0.2661, 0.3340

CSS Examples

Text

The CSS property to change the color of the text to Yxy 78.8164, 0.2319, 0.3409 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(51, 255, 245)` looks like.

```
.text, #text, p{  
    color:rgb(51, 255, 245)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(51, 255, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 255, 245) }
```

Border

The CSS property to change the border of an element to Yxy 78.8164, 0.2319, 0.3409 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(51, 255, 245) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(51, 255, 245) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(51, 255, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 255, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 255, 245);  
box-shadow:4px 4px 4px 4px rgb(51, 255,  
245) }
```


Background

The CSS property to change the background color of an element to Yxy 78.8164, 0.2319, 0.3409 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 255, 245) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(51, 255,  
245) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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